

## Freeform Search

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<b>Database:</b>	<div style="border: 1px solid black; padding: 2px;">         US Pre-Grant Publication Full-Text Database          US Patents Full-Text Database          US OCR Full-Text Database          EPO Abstracts Database          JPO Abstracts Database          Derwent World Patents Index          IBM Technical Disclosure Bulletins       </div>
<b>Term:</b>	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>
<b>Display:</b>	<div style="display: flex; align-items: center;"> <input type="text" value="10"/> Documents in <b>Display Format:</b> <input type="text" value="-"/> Starting with Number <input type="text" value="1"/> </div>
<b>Generate:</b> <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

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Search

Clear

Interrupt

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### Search History

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**DATE:** Saturday, November 01, 2003    [Printable Copy](#)    [Create Case](#)

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L51</u>	L50 and backup and stor\$ near devices	31	<u>L51</u>
<u>L50</u>	L49 and (media! same library or library same media!)	102	<u>L50</u>
<u>L49</u>	L48 and index\$	768	<u>L49</u>
<u>L48</u>	L47 and application	1408	<u>L48</u>
<u>L47</u>	L46 and archive	1437	<u>L47</u>
<u>L46</u>	l36 and software	24503	<u>L46</u>
<u>L45</u>	L42 and library same media!	15	<u>L45</u>
<u>L44</u>	L43 and library same media!	15	<u>L44</u>
<u>L43</u>	L42 and stor\$ near device	37	<u>L43</u>
<u>L42</u>	L38 and backup and retriev\$	61	<u>L42</u>
<u>L41</u>	L40 and library same media!	16	<u>L41</u>
<u>L40</u>	L39 and stor\$ near device	141	<u>L40</u>
<u>L39</u>	L38 and back and retriev\$	244	<u>L39</u>
<u>L38</u>	L37 and application near module	351	<u>L38</u>
<u>L37</u>	L36 and software near module	2684	<u>L37</u>
<u>L36</u>	network near system	58683	<u>L36</u>

<u>L35</u>	709/321	511	<u>L35</u>
<u>L34</u>	711/135	409	<u>L34</u>
<u>L33</u>	711/3	1247	<u>L33</u>
<u>L32</u>	711.clas.	19191	<u>L32</u>
<u>L31</u>	709/300	715	<u>L31</u>
<u>L30</u>	709/226	2193	<u>L30</u>
<u>L29</u>	709/219	4219	<u>L29</u>
<u>L28</u>	709/216	701	<u>L28</u>
<u>L27</u>	709/213	1378	<u>L27</u>
<u>L26</u>	709/204	1628	<u>L26</u>
<u>L25</u>	709/203	6162	<u>L25</u>
<u>L24</u>	709/100	1507	<u>L24</u>
<u>L23</u>	709.clas.	29390	<u>L23</u>
<u>L22</u>	707.clas.	17339	<u>L22</u>
<u>L21</u>	707/204	1499	<u>L21</u>
<u>L20</u>	707/203	1969	<u>L20</u>
<u>L19</u>	707/201	1906	<u>L19</u>
<u>L18</u>	707/104.1	3181	<u>L18</u>
<u>L17</u>	707/100	3771	<u>L17</u>
<u>L16</u>	707/10	7100	<u>L16</u>
<u>L15</u>	707/9	1798	<u>L15</u>
<u>L14</u>	707/1	5431	<u>L14</u>

*DB=USPT; PLUR=YES; OP=OR*

<u>L13</u>	6182133.pn.	1	<u>L13</u>
<u>L12</u>	6161183.pn.	1	<u>L12</u>
<u>L11</u>	6330572.pn.	1	<u>L11</u>

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L10</u>	6330572.uref.	3	<u>L10</u>
<u>L9</u>	L8 and media near library	10	<u>L9</u>
<u>L8</u>	L7 and backup and retrieval	533	<u>L8</u>
<u>L7</u>	network same file near system	5639	<u>L7</u>
<u>L6</u>	L5 and network same file near system	6	<u>L6</u>
<u>L5</u>	L4 and media near library	29	<u>L5</u>
<u>L4</u>	L3 and stor\$ near devices	1523	<u>L4</u>
<u>L3</u>	backup and retrieval	5564	<u>L3</u>
<u>L2</u>	6330570.pn.	2	<u>L2</u>
<u>L1</u>	6038379.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

## Freeform Search

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	US Patents Full-Text Database
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	EPO Abstracts Database
	JPO Abstracts Database
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<b>Term:</b>	<input type="text"/>
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**Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

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### Search History

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**DATE:** Saturday, November 01, 2003    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L6</u>	L5 and backup and retriev\$	14	<u>L6</u>
<u>L5</u>	media near software same components	153	<u>L5</u>
<u>L4</u>	L3 and backup and retriev\$	37	<u>L4</u>
<u>L3</u>	L2 and agents	334	<u>L3</u>
<u>L2</u>	media near software	1856	<u>L2</u>
<u>L1</u>	media near software near agents	2	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#)   [Fwd Refs](#)**End of Result Set**

Generate Collection

Print

L6: Entry 6 of 6

File: USPT

Dec 11, 2001

US-PAT-NO: 6330572

DOCUMENT-IDENTIFIER: US 6330572 B1

TITLE: Hierarchical data storage management

DATE-ISSUED: December 11, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sitka; Larry	Stillwater	MN		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Imation Corp.	Oakdale	MN			02

APPL-NO: 09/ 354280   [\[PALM\]](#)

DATE FILED: July 15, 1999

## PARENT-CASE:

This application claims priority from U.S. Provisional Application Serial No. 60/092,853, filed Jul. 15, 1998, the entire content of which is incorporated herein by reference.

INT-CL: [07] [G06 F 17/30](#)

US-CL-ISSUED: 707/205; 203/204, 203/104, 203/100

US-CL-CURRENT: [707/205](#); [707/100](#), [707/104.1](#), [707/203](#), [707/204](#)

FIELD-OF-SEARCH: 707/104, 707/100, 707/201, 707/205, 707/203-204

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<a href="#">5276860</a>	January 1994	Fortier et al.	
<input type="checkbox"/>	<a href="#">5276867</a>	January 1994	Kenley et al.	
<input type="checkbox"/>	<a href="#">5317728</a>	May 1994	Tevis et al.	
<input type="checkbox"/>	<a href="#">5367698</a>	November 1994	Webber et al.	

<input type="checkbox"/>	<u>5537585</u>	July 1996	Blickenstaff et al.	707/100
<input type="checkbox"/>	<u>5557790</u>	September 1996	Bingham et al.	
<input type="checkbox"/>	<u>5579507</u>	November 1996	Hosouchi et al.	
<input type="checkbox"/>	<u>5579516</u>	November 1996	Van Maren et al.	395/601
<input type="checkbox"/>	<u>5584008</u>	December 1996	Shimada et al.	
<input type="checkbox"/>	<u>5778395</u>	July 1998	Whiting et al.	707/204
<input type="checkbox"/>	<u>5784646</u>	July 1998	Sawada	
<input type="checkbox"/>	<u>5822780</u>	October 1998	Schutzman	
<input type="checkbox"/>	<u>5832522</u>	November 1998	Blickenstaff et al.	
<input type="checkbox"/>	<u>5878410</u>	March 1999	Zbikowski et al.	707/2
<input type="checkbox"/>	<u>5918229</u>	June 1999	Davis et al.	707/10
<input type="checkbox"/>	<u>5991753</u>	November 1999	Wilde	
<input type="checkbox"/>	<u>6026474</u>	February 2000	Carter et al.	711/202
<input type="checkbox"/>	<u>6108713</u>	January 2000	Coli et al.	705/2

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 474 395 A2	November 1992	EP	

## OTHER PUBLICATIONS

"Hierarchical View of Filesets," IBM Technical Disclosure Bulletin, vol. 36(5):167 (1993).

Shiers, J.D., "Data Management at Cern: Current Status and Future Trends," <http://www.computer.org/conferences/mss95/shiers/shiers.htm>, Cern, Geneva, Switzerland, pp. 1-11 (1995).

"Graphical User Interface for the Distributed Computing Environment," IBM Technical Disclosure Bulletin, vol. 38(1):409-410 (1995).

ART-UNIT: 212

PRIMARY-EXAMINER: Alam; Hosain T.

ASSISTANT-EXAMINER: Truong; Cam-Y

ATTY-AGENT-FIRM: Bauer; William D.

## ABSTRACT:

A system and method for managing the storage of files within an HSM system incorporate an architecture and methodology that facilitate the storage and retrieval of large image files as part of an overall image processing workflow. In particular, the system and method may find ready application in a workflow that involves the processing of groups of images associated with particular customers, projects, or transactions, and may act as a storage server for a client application that implements the workflow. The system and method may be useful, for example, in handling the storage of images uploaded from scanned photographic film, or digital

images submitted to a photo-processing shop by amateur or professional photographers. In this case, the client application can be a photo-processing application that could provide for various media formats, sizes, and quantities of image reproductions for a consumer. As another example, the system and method may be useful in handling the storage of medical diagnostic images associated with a particular medical patient or study. In this case, the client application could be a picture archival communication system (PACS) that manages the archival of imagery for viewing by physicians. Further, the system and method may be useful in handling the storage of images associated with particular printing jobs, e.g., for publishers, advertising customers, and the like. In this case, the client application could be a digital prepress workflow application.

32 Claims, 8 Drawing figures